

Title (en)

SENSOR FOR DETERMINING THE AIR INDUCED BY AN INTERNAL COMBUSTION ENGINE

Title (de)

SENSOR FÜR EINE BRENNKRAFTMASCHINE ZUR BESTIMMUNG DER VON IHR ANGESAUGTEN LUFT

Title (fr)

CAPTEUR POUR LA DETERMINATION DE L'AIR ASPIRE PAR UN MOTEUR A COMBUSTION INTERNE

Publication

**EP 1017931 A1 20000712 (DE)**

Application

**EP 98948795 A 19980814**

Priority

- DE 9802354 W 19980814
- DE 19750496 A 19971114

Abstract (en)

[origin: DE19750496A1] The method involves detecting the mass of air using an air mass sensor (10). The air humidity and pressure are detected (20) simultaneously with the mass and evaluated in an evaluation circuit. The humidity and pressure are measured in an induction pipe (30), pref. next to the air mass sensor. The air mass and pressure sensors are micromechanical devices. An Independent claim is also included for a sensor.

IPC 1-7

**F02D 41/18**; **G01F 1/684**

IPC 8 full level

**G01F 1/68** (2006.01); **F02D 35/00** (2006.01); **F02D 41/18** (2006.01); **F02D 41/24** (2006.01); **F02D 45/00** (2006.01); **G01F 1/684** (2006.01)

CPC (source: EP US)

**F02D 41/18** (2013.01 - EP US); **F02D 41/28** (2013.01 - EP US); **G01F 1/6845** (2013.01 - EP US); **F02D 2200/0418** (2013.01 - EP US)

Citation (search report)

See references of WO 9925971A1

Cited by

DE102016221678A1; DE102016221678B4; US10994330B2; US10994329B2; DE102010043062A1; WO2012055621A1; US9279709B2; DE102010043083A1; WO2012055622A1; US9212938B2; DE102011089480A1; WO2013091940A1; US9541433B2

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